

CTIP STUDY PROBLEM STATEMENT

Request for Funding

FY 2002

FHWA Strategic Goal Area: Safety

Project Title: Overheight detection at Yellowstone National Park entrance

Background: The increase in size of recreational vehicles has caused several disruptions to traffic flow at the entrance stations, and some damage to facilities. Unsuspecting drivers have collided with entrance overhangs and canopy facilities causing damage to vehicles and NPS facilities.

Objectives: Provided an overheight detection system at park entrances coordinated with the Automatic Vehicle Identification system currently under development in YNP. By detecting overheight vehicles as they approach the park entrance, they can be diverted to avoid disruption to the entrance traffic and reduce congestion. Damage would be avoided and investigation/reporting would be reduced. Coordinating the overheight detection with the AVI system would enhance security at the entrance.

Status: Currently YNP is developing an Automated Vehicle Identification system for residents adjacent to the park whose only access is through the park. The AVI may have other uses for identifying employees and concessionaires improving access and reducing congestion. A logical supplement is the overheight detection, which systems are available in the market place, but not used by the NPS. The technology can be adopted from the commercial vehicle height detection used by many State agencies.

Expected Products and Milestones by Fiscal Year: Investigate the systems available on the market, select a system based on criteria suitable to the NPS and compatible with the AVI currently under development. Installation of the selected system can be included in a current highway contract underway at the Northeast Entrance.

Duration: Six months

Estimated Cost by Fiscal Year: \$35,000

Suggested Organization Method: Coordinate with the AVI work underway and contract to implement installation.

Submitted:

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Champion:

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Funding Source: (Check one.)

9 Agency Fund

9 General Fund